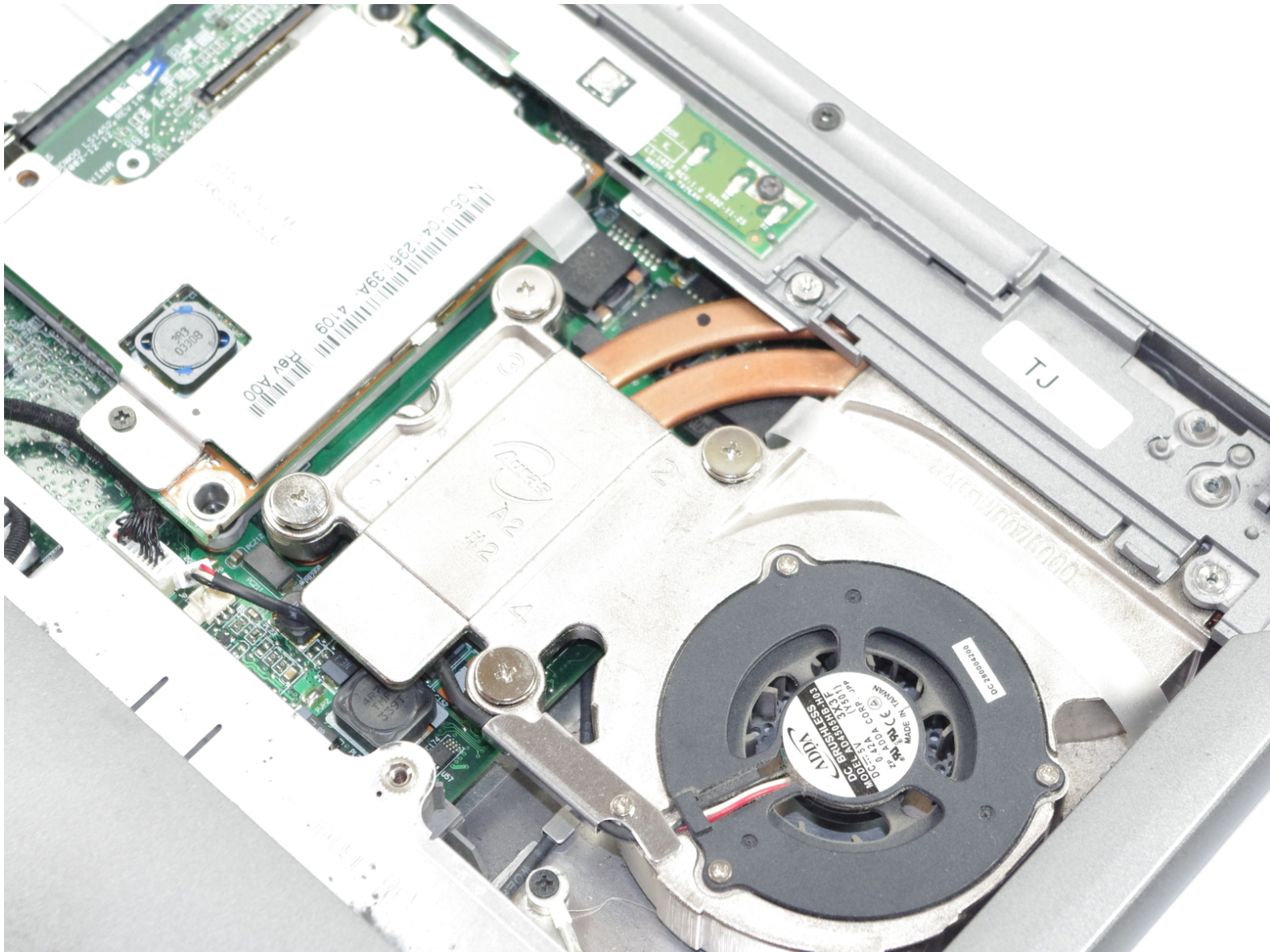




Dell Inspiron 5100 PP07L Heatsink Replacement

If your laptop overheats and turns off automatically, you probably need to check the heatsink if it's damaged or clogged up with dust.

Written By: May Chauvin



INTRODUCTION

You would need to be removing the keyboard to access the heatsink and fan. If you need to, add a new layer of [Arctic Silver Thermal Paste](#).



TOOLS:

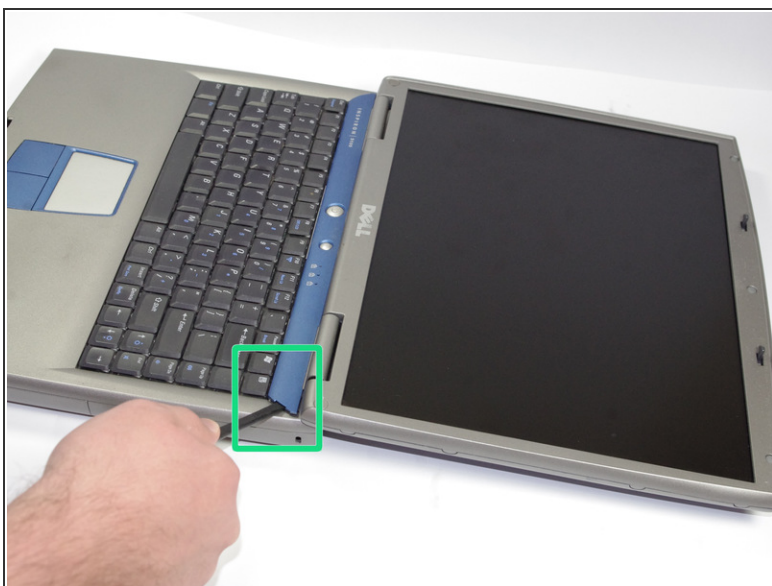
- [Phillips #1 Screwdriver](#) (1)
 - [Spudger](#) (1)
-

Step 1 — Keyboard



- Remove battery
- Open screen so that it lies flat.

Step 2



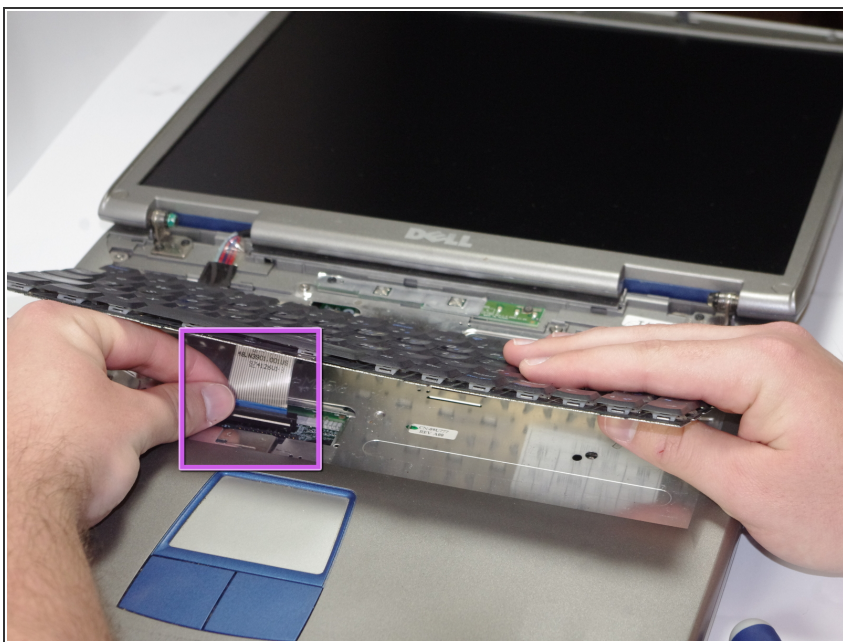
- Starting from the right side of the hinge cover, use the flat end of the spudger to pry up the hinge cover and gently remove it.

Step 3



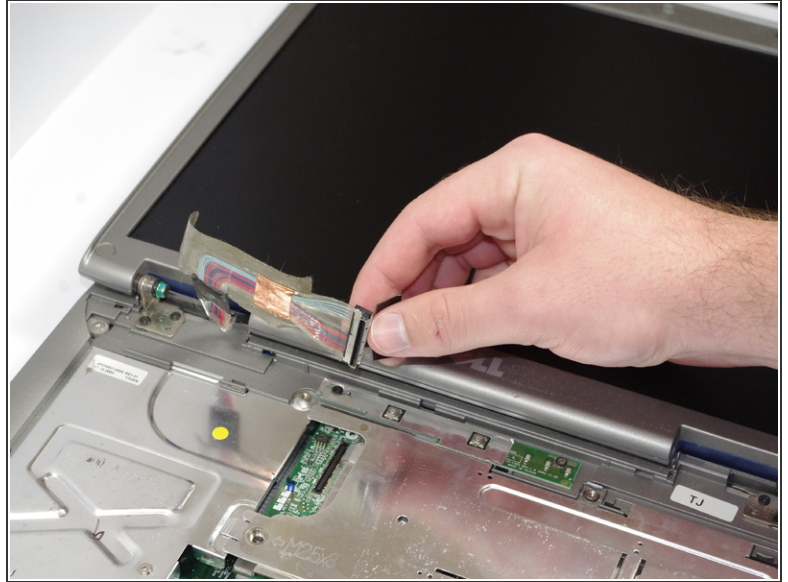
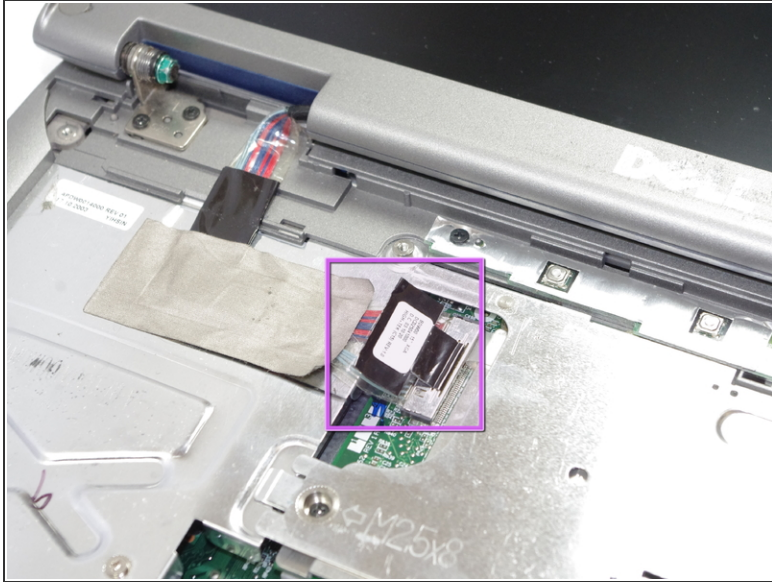
- Remove the four M2 x 3-mm screws holding in the keyboard.

Step 4



- Lift keyboard and detach the interface connector.
- ⓘ Take extra care when removing and handling the keyboard. The key caps on the keyboard are fragile, easily dislocate and would be time-consuming to replace.

Step 5 — Heatsink



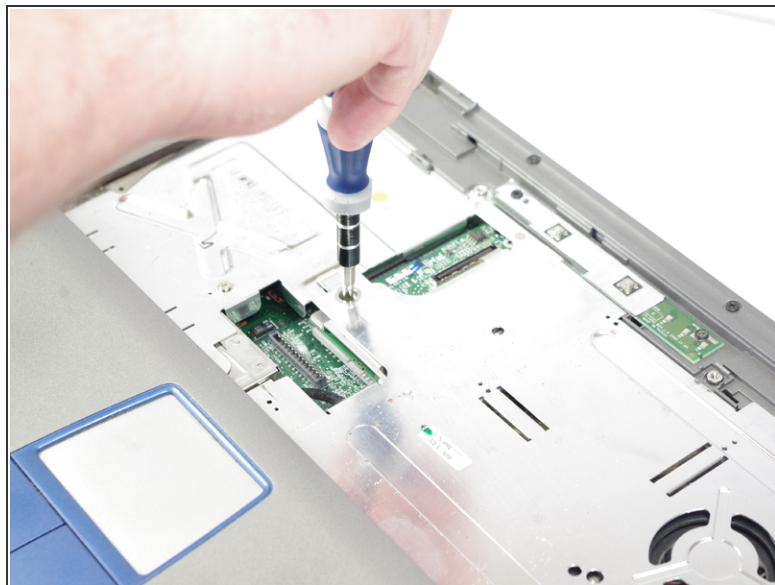
- Detach screen connector

Step 6



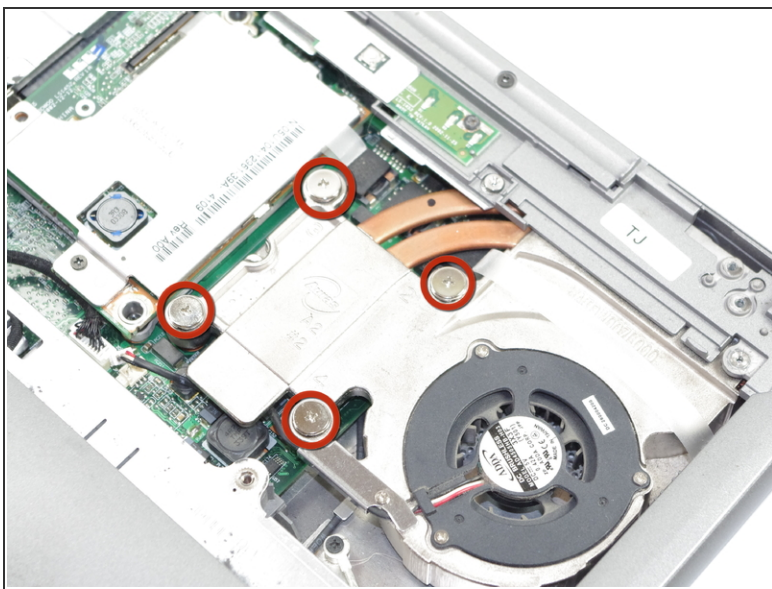
- Remove two screws (5.8mm) located behind the screen.

Step 7



- Remove one screw (8.6 mm) on metal plating.
- Remove the metal plating

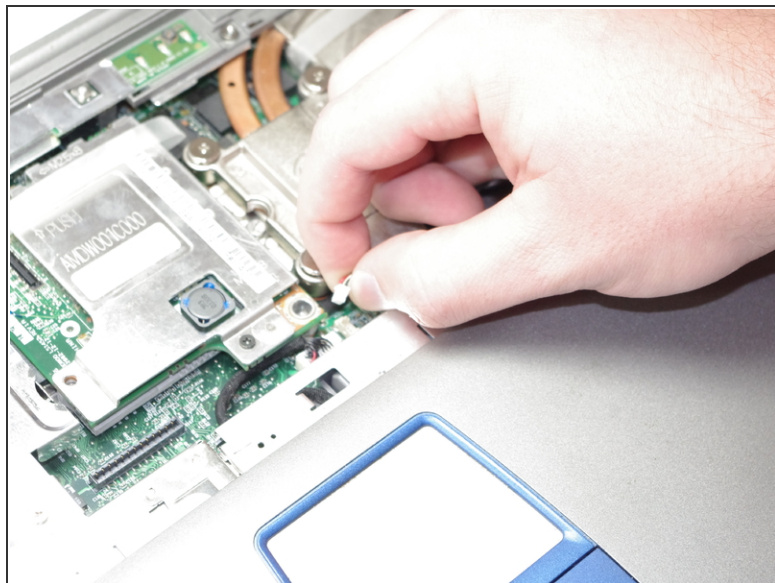
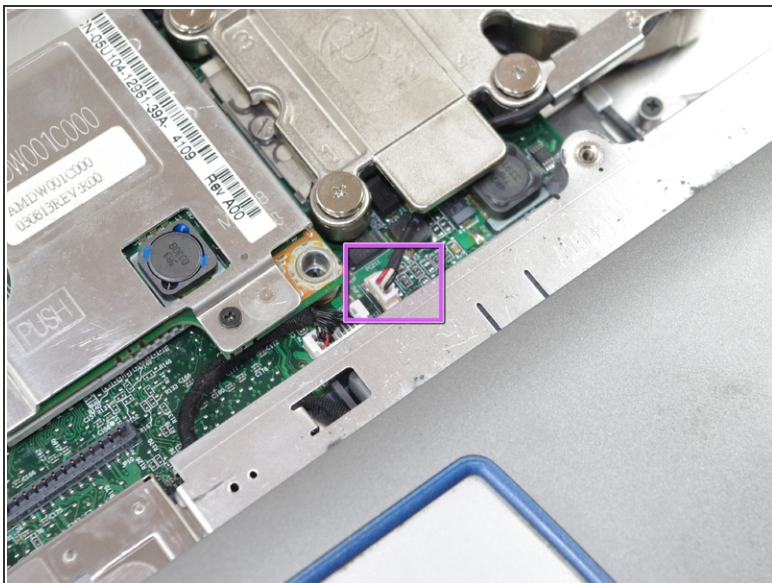
Step 8



- Loosen four screws.

i These screws are attached to the heat sink and cannot be completely removed.

Step 9



- Disconnect the wire connecting the heatsink to the motherboard.

Step 10



- Slide the heatsink away from the screen and lift.

To reassemble your device, follow these instructions in reverse order.

